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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q79995

Hajime MAKI, et al.

Appln. No.: 10/785,083

Group Art Unit: 1755

Confirmation No.: 8545

Examiner: Unknown

Filed: February 25, 2004

For: METHOD FOR PRODUCING ALPHA-ALUMINA PARTICULATE

INFORMATION DISCLOSURE STATEMENT **UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

1. K. KAMIYA et al., "Formation of α -Alumina Around 500°C in Alkoxy-Derived Alumina Gels Under Ambient Pressure—Effects of Starting Solution Composition and Seeding", *Journal of Sol-Gel Science and Technology*, Vol. 20, 2001, pp. 275-285.
2. Y. TAKEDA et al., "Crystallization Behavior of Alumina Gels Prepared by Sol-Gel Method Using Nitric Acid as a Catalyst", *Journal of the Ceramic Society of Japan*, Vol. 110, No. 11, 2002, pp. 1025-1028.
3. WO 0069790 published November 23, 2000, to Fraunhofer-Gesellschaft Zur Foerderung Der Angewandten Forschung E.V., with English Abstract.
4. WO 02/08124 published January 31, 2002, to Institut Für Neue Materialien Gem. GMBH, with English Abstract.

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5. H. MA et al., "Synthesis and Processing of Nano- α - Al_2O_3 Powders", *Key Engineering Materials*, Vol. 206-213, XP008025131, September 9, 2001, pp. 43-46.
6. A. PIERRE et al., "Gelation of Aluminum Hydroxide Sols", *J. Am. Ceram. Soc.*, Vol. 70, No. 1, 1987, pp. 28-32.
7. W.M. ZENG et al., "A New Sol-Gel Route Using Inorganic Salt for Synthesizing Al_2O_3 Nonopowders", *NanoStructured Materials*, Vol. 10, No. 4, 1998, pp. 543-550.
8. Ph. Colomban, "Structure of oxide gels and glasses by infrared and Raman scattering", *Journal of Materials Science*, Vol. 24, 1989, pp. 3002-3010.

One copy of each of the listed documents is submitted herewith.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under § 1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant encloses herewith a copy of a Communication from a foreign patent office in a counterpart application citing such documents, together with an English-language version (if not already included) of at least that portion of the Communication indicating the degree of relevance found by the foreign patent office.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

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The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,



John T. Callahan
Registration No. 32,607

SUGHRUE MION, PLLC
Telephone: (202) 293-7060
Facsimile: (202) 293-7860

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23373

CUSTOMER NUMBER

Date: September 19, 2005

Substitute for Form 1449 A & B/PTO			Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Application Number	10/785,083
			Confirmation Number	8545
			Filing Date	February 25, 2004
			First Named Inventor	Hajime MAKI
			Art Unit	1755
			Examiner Name	Unknown
			Attorney Docket Number	Q79995
Sheet	1	of		

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
		WO	00/69790	A	11-23-2000	Fraunhofer-Gesellschaft Zur Foerderung Der Angewandten Forschung E.V.	Abstract
		WO	02/08124	A	01-31-2002	Institut Für Neue Materialien Gem. GMBH	Abstract

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
		K. KAMIYA et al., "Formation of α -Alumina Around 500°C in Alkoxy-Derived Alumina Gels Under Ambient Pressure—Effects of Starting Solution Composition and Seeding", Journal of Sol-Gel Science and Technology, Vol. 20, 2001, pp. 275-285	
		Y. TAKEDA et al., "Crystallization Behavior of Alumina Gels Prepared by Sol-Gel Method Using Nitric Acid as a Catalyst", Journal of the Ceramic Society of Japan, Vol. 110, No. 11, 2002, pp. 1025-1028	
		H. MA et al., "Synthesis and Processing of Nano- α -Al ₂ O ₃ Powders", Key Engineering Materials, Vol. 206-213, XP008025131, September 9, 2001, pp. 43-46	
		A. PIERRE et al., "Gelation of Aluminum Hydroxide Sols", J. Am. Ceram. Soc., Vol. 70, No. 1, 1987, pp. 28-32	
		W.M. ZENG et al., "A New Sol-Gel Route Using Inorganic Salt for Synthesizing Al ₂ O ₃ Nonopowders", NanoStructured Materials, Vol. 10, No. 4, 1998, pp. 543-550	
		Ph. Colomban, "Structure of oxide gels and glasses by infrared and Raman scattering", Journal of Materials Science, Vol. 24, 1989, pp. 3002-3010	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to indicate here if English language Translation is attached.